1. The work of 1900.

The successfully completed Hogland installation completely clarified the importance of a wireless telegraph for the sea, and wireless telegraph installations were recognized as mandatory for every military vessel. This important event gave a special imprint to the second half of A. S.'s activity. Now he could no longer give all his time to his beloved experimental works, in which he had no equal; now most of the time was taken by purely organizational activity. It was necessary in a telegraphic sense to build ships, it was necessary to organize workshops for the development of devices, write out ready-made stations from foreign companies and find out the best type from them.

To help in this type of activity, A. S. in 1900 invited his comrade at the University, E. D. Corinth. To describe the new purely organizational activity of A. S. in this essay is not the place. Our task is to trace further how, thanks to the scientific research of A. S., the wireless telegraph has gained more and more success.

In 1900, A. S. pays attention to the improvement of his sensitive tube. Together with E. D. Korinfsky it was found that the known oxidation state of the fragmented beads greatly improves the constancy and sensitivity of the tube. Among these works, it was possible to find out that for a telephone receiver, the best sensitive tube should consist of a number of contacts between the carbon electrodes and the three or four steel needles laid on them. Such a sensitive tube is still used in the telephone receiver of the Popov-Ducreta system.

Then, in the analyzed year, we made the first attempt to use a wireless telegraph for the needs of the army. The invented telephone receiver made it possible to assemble small portable stations very convenient for reconstructing communications between different parts of the regiment, for the intelligence service and in other cases of a combat situation. Thanks to the energy of D.S. Troitsky and the commander of the Caspian regiment, Taube, these experiments were carried out for almost three years and completely clarified all their significance. In these experiments, for the first time otpravitelnomu steel wire to shape the letters *D* . The horizontal part of this wire, requiring an extra marching mast, significantly increased the energy of the sending system. The achieved results were described in detail in their time in special military magazines.